



Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure quality installation. These guidelines can be found in the Accessory Installation Practices document.

This document covers such items as:

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc)
- Safety (eye protection)
- Vehicle Disassembly / Reassembly (panel removal, part storage, etc)

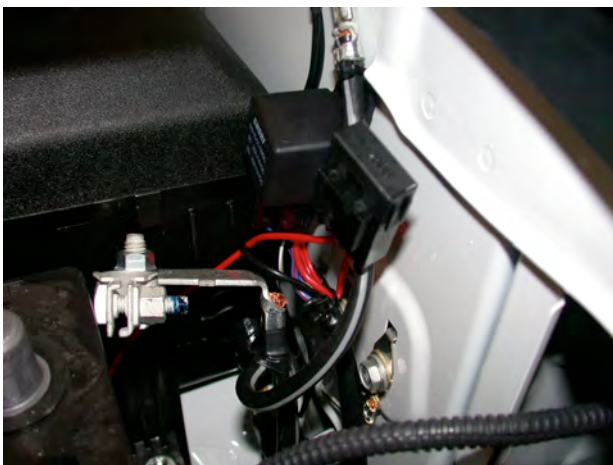
## Preparation



Disconnect the positive terminal of the battery

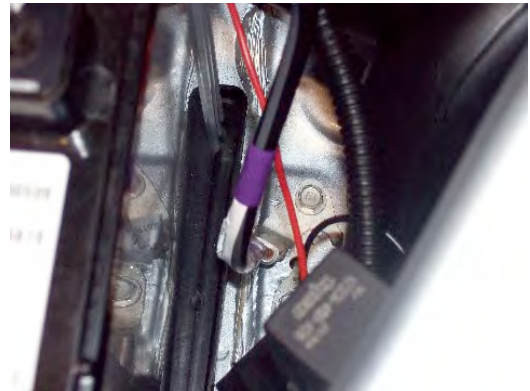
## Installation

1. Secure the Relay to the wire loom next to the Battery with wire ties. Secure top and bottom with wire ties (see Picture 1).
2. Attach the ring terminal with 2 black wires to the 10mm bolt next to the relay (see picture 2)



Picture 1

3. Connect the ring terminal from the relay (12v red wire) to the positive terminal of the battery)



Picture 2

4. Locate the large vehicle harness grommet on the left side. Cut the auxiliary wiring access nipple off the grommet and push small 2-wire connector through firewall. Note: Extra caution should be taken not to damage connector. Seal with 3M Silicone sealant (see picture 3)

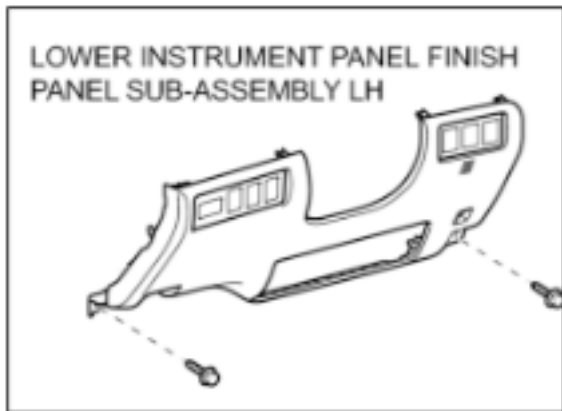


Picture 3

Run the fog light wire harness on the driver side of the car. Use wire ties as needed

**Vehicle Disassembly**

5. Remove the screws on the lower part of the instrument panel (picture 6)



Picture 6

6. Remove lower instrument panel sub assy (picture 6)

7. Mount switch into switch knockout on left side of dash (see picture 9)



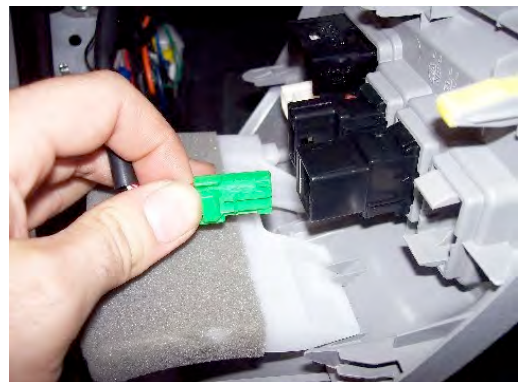
Picture 9

8. From inside the cabin, locate the small connector that was pushed through in step 4. It will be the grommet above the gas pedal (see picture 10)



Picture 10

9. Install switch harness (see picture 11)



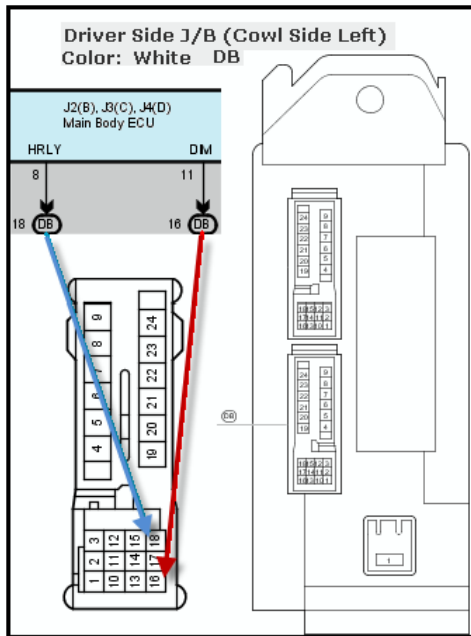
Picture 11

10. T-tap green/black wire from fog light harness to connector DB pin 16, red wire

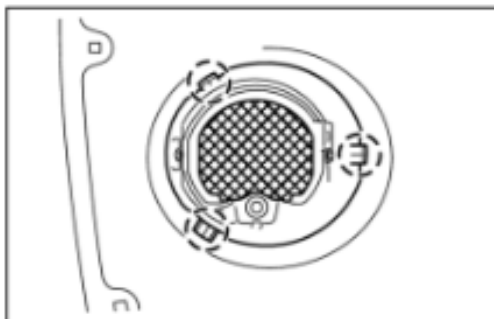
(bottom pin on right). Connector DB is in the driver's side junction box, located on the left side of the steering column (picture 13)

11. T-Tap orange/black wire from fog light harness to connector DB pin 18, blue wire (right side third pin up from bottom). Connector DB is left of steering wheel (picture 13)

**New picture 13**



12. Secure with wire ties.
13. Reinstall dash panels
14. Route the fog light wire under car.
15. Remove splash shields
16. Remove both front bumper hole covers. Detach wire harness clamps and release the 3 claws and remove (picture 14)



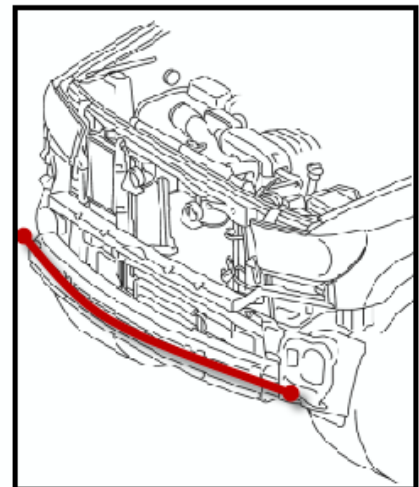
Picture 14



Picture 15

17. Re-secure detached wire harness and plug in left side fog light into harness plug and secure with wire ties. Snap fog light bezel into bumper hole (picture 15)
18. Run right side of wire harness through bumper sub frame to right fog lamp opening (see picture 16)

**New picture 16**



Fish passenger side harness through bumper sub assy  
Picture 16

19. Plug harness into right fog light. Install wire ties to secure to vehicle. Snap fog light bezel into bumper hole
20. Reattach the lower splash shields

21. Re-connect battery

## Check System for Operation

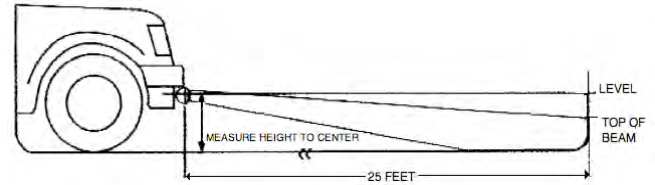
1. Reconnect battery negative terminal, 36in lbs
2. Turn on headlamp low beams, then press fog light switch to "ON" position. Fog lights should be working. Fog lights will only work when the low beam headlamps are "ON". Fog lights will NOT work when the high beam headlamps are "ON"

## Fog Light Aiming

Traditional fog lights are usually mounted in the front bumper about 10-24 inches from the ground. There are two important issues to address when installing fog lights: the first is to minimize the amount of return glare into the drivers eyes, and the other is to minimize the glare into oncoming eyes. Both of these issues must be accomplished while putting as much light as possible on the road.

These fog weather light aiming instructions are suggestions taken from common practice and the S.A.E. standard J583. Some modifications to these instructions may be necessary to minimize glare.

Visual aim is made with the top of the beam 4 inches below the lamp center at 25 feet with the lamp facing straight forward (see picture 18)



Picture 18

**Checklist** – these points MUST be checked to ensure quality installation

**Check**

**Look For:**

Accessory Functions Checks

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- Fog Lights function .....
- All Panels snapped into place.....
- Fog Lights.....
- Battery Terminal.....

Vehicle Function checks

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- Check functions all switch functions

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- Loose panels and switches
  - Visually confirm lights are straight forward
  - Re-torque negative battery terminal to 36 in-lb

**VEHICLE FUNCTION CHECK**

AFTER ALL PANELS, COVERS, AND COMPONENTS HAVE BEEN REINSTALLED, THAT WERE REMOVED, TEST THOROUGHLY, ALL MECHANICAL AND ELECTRICAL COMPONENTS DISCONNECTED AND OR REMOVED FROM THE VEHICLE DURING THE INSTALLATION OF THIS ACCESSORY.